

#5



OIPE

ENTERED

RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/09/988,975A

TIME: 09:31:01

Input Set : A:\pf0227_2cip_seqlist.txt

Output Set: N:\CRF3\03132002\I988975A.raw

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2 <110> APPLICANT: Bandman, Olga
3   Lal, Preeti G.
5 <120> TITLE OF INVENTION: PROSTATE-ASSOCIATED PROTEASE ANTIBODY
7 <130> FILE REFERENCE: PF-0227-2 CIP
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/988,975A
C--> 10 <141> CURRENT FILING DATE: 2001-11-19
12 <160> NUMBER OF SEQ ID NOS: 8
13 <170> SOFTWARE: PERL Program
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 283
17 <212> TYPE: PRT
18 <213> ORGANISM: Homo sapiens
20 <220> FEATURE:
21 <221> NAME/KEY: misc_feature
22 <223> OTHER INFORMATION: Incyte ID No: 556016
24 <220> FEATURE:
25 <221> NAME/KEY: unsure
26 <222> LOCATION: 235
27 <223> OTHER INFORMATION: unknown or other
29 <400> SEQUENCE: 1
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31   1           5           10           15
32 Leu Tyr His Ser Asp Ala Cys Ser Ser Lys Ala Val Val Ser Leu
33           20           25           30
34 Arg Cys Ile Ala Cys Gly Val Asn Leu Asn Ser Ser Arg Gln Ser
35           35           40           45
36 Arg Ile Val Gly Gly Glu Ser Ala Leu Pro Gly Ala Trp Pro Trp
37           50           55           60
38 Gln Val Ser Leu His Val Gln Asn Val His Val Cys Gly Gly Ser
39           65           70           75
40 Ile Ile Thr Pro Glu Trp Ile Val Thr Ala Ala His Cys Val Glu
41           80           85           90
42 Lys Pro Leu Asn Asn Pro Trp His Trp Thr Ala Phe Ala Gly Ile
43           95          100          105
44 Leu Arg Gln Ser Phe Met Phe Tyr Gly Ala Gly Tyr Gln Val Glu
45          110          115          120
46 Lys Val Ile Ser His Pro Asn Tyr Asp Ser Lys Thr Lys Asn Asn
47          125          130          135
48 Asp Ile Ala Leu Met Lys Leu Gln Lys Pro Leu Thr Phe Asn Asp
49          140          145          150
50 Leu Val Lys Pro Val Cys Leu Pro Asn Pro Gly Met Met Leu Gln
51          155          160          165
52 Pro Glu Gln Leu Cys Trp Ile Ser Gly Trp Gly Ala Thr Glu Glu

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53                               170                               175                               180
54 Lys Gly Lys Thr Ser Glu Val Leu Asn Ala Ala Lys Val Leu Leu
55                               185                               190                               195
56 Ile Glu Thr Gln Arg Cys Asn Ser Arg Tyr Val Tyr Asp Asn Leu
57                               200                               205                               210
58 Ile Thr Pro Ala Met Ile Cys Ala Gly Phe Leu Gln Gly Asn Val
59                               215                               220                               225
W--> 60 Asp Ser Cys Gln Gly Asp Ser Gly Gly Xaa Leu Val Thr Ser Lys
61                               230                               235                               240
62 Asn Asn Ile Trp Trp Leu Ile Gly Asp Thr Ser Trp Gly Ser Gly
63                               245                               250                               255
64 Cys Ala Lys Ala Tyr Arg Pro Gly Val Tyr Gly Asn Val Met Val
65                               260                               265                               270
66 Phe Thr Asp Trp Ile Tyr Arg Gln Met Arg Ala Asp Gly
67                               275                               280
69 <210> SEQ ID NO: 2
70 <211> LENGTH: 1077
71 <212> TYPE: DNA
72 <213> ORGANISM: Homo sapiens
74 <220> FEATURE:
75 <221> NAME/KEY: misc_feature
76 <223> OTHER INFORMATION: Incyte ID No: 556016
78 <220> FEATURE:
79 <221> NAME/KEY: unsure
80 <222> LOCATION: 9-10, 804
81 <223> OTHER INFORMATION: a, t, c, g, or other
83 <400> SEQUENCE: 2
W--> 84 gcaactctnn tacgatcaact atagggaaag ctggtagcct gcaggtaccg gtccggaatt 60
85 cccgggtcga cccacgcgtc cgagcggatc caccagcttt atgaaactga acacaagtgc 120
86 cggcaatgtc gatattctata aaaaactgta ccacagtgat gcctgttctt caaaagcagt 180
87 ggtttcttta cgctgtatag cctgcggggg caacttgaac tcaagccgcc agagcaggat 240
88 cgtgggcggc gagagcgcgc tcccgggggc ctggccctgg cagggtcagcc tgcacgtcca 300
89 gaacgtccac gtgtgcggag gctccatcat caccgccgag tggatcgtga cagccgccca 360
90 ctgcgtggaa aaacctctta acaatccatg gcattggacg gcatttgagg ggattttgag 420
91 acaatctttc atgttctatg gagccggata ccaagtagaa aaagtgattt ctcattccaa 480
92 ttatgactcc aagaccaaga acaatgacat tgcgtgatg aagctgcaga agcctctgac 540
93 tttcaacgac ctagtgaac cagtgtgtct gcccaacca ggcatgatgc tgcagccaga 600
94 acagctctgc tggatttccg ggtggggggc caccgaggag aaaggaaga cctcagaagt 660
95 gctgaacgct gccaaagggtc ttctcattga gacacagaga tgcaacagca gatattgtta 720
96 tgacaacctg atcacaccag ccatgatctg tgccggcttc ctgcagggga acgtcgattc 780
W--> 97 ttgccagggt gacagtggag ggcntctggt cacttcgaag aacaatatct ggtggctgat 840
98 aggggataca agctgggggt ctggctgtgc caaagcttac agaccaggag tgtacgggaa 900
99 tgtgatggta ttacaggact ggatttatcg acaaatgagg gcagacggct aatccacatg 960
100 gtcttcgtcc ttgacgtcgt ttacaagaa acaaatgggg ctggttttgc ttccccgtgc 1020
101 atgatttact cttagagatg attcagaggt cacttcattt ttattaaaca gtgaact 1077
103 <210> SEQ ID NO: 3
104 <211> LENGTH: 270
105 <212> TYPE: DNA
106 <213> ORGANISM: Homo sapiens

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Output Set: N:\CRF3\03132002\I988975A.raw

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108 <220> FEATURE:
109 <221> NAME/KEY: misc_feature
110 <223> OTHER INFORMATION: Incyte ID No: 556016H1
112 <220> FEATURE:
113 <221> NAME/KEY: unsure
114 <222> LOCATION: 136
115 <223> OTHER INFORMATION: a, t, c, g, or other
117 <400> SEQUENCE: 3
118 ccctgaccat ctgcttccct gagtacacag gggccaacaa atatgatgag gcagccagct 60
119 acatccagag taagtttgag gacctgaata agcgcaaaga caccaaggag atctacacgc 120
W--> 120 acttcacgtg cgccanccga caaccaagaa cgtgcagttc gtgtttgacg ccgtcaccga 180
121 tgtcatcatc aagaacaacc tgaaggactg cggcctcttc tgaggggcag cggggcctgg 240
122 cgggatgggc caccgccgac tttgtacccc 270
124 <210> SEQ ID NO: 4
125 <211> LENGTH: 256
126 <212> TYPE: DNA
127 <213> ORGANISM: Homo sapiens
129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature
131 <223> OTHER INFORMATION: Incyte ID No: 842889H1
133 <400> SEQUENCE: 4
134 agaacaatga cattgcgctg atgaagctgc agaagcctct gactttcaac gacctagtga 60
135 aaccagtgtg tctgccaac ccaggcatga tgctgcagcc agaacagctc tgctggattt 120
136 ccgggtgggg ggccaccgag gagaaaggga agacctcaga agtgcagaac gctgccaagg 180
137 tgcttctcat tgagacacag agatgcaaca gcagatatgt ctatgacaac ctgatcacac 240
138 cagccatgat ctgtgc 256
140 <210> SEQ ID NO: 5
141 <211> LENGTH: 294
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapiens
145 <220> FEATURE:
146 <221> NAME/KEY: misc_feature
147 <223> OTHER INFORMATION: Incyte ID No: 991163H1
149 <220> FEATURE:
150 <221> NAME/KEY: unsure
151 <222> LOCATION: 8, 65, 73, 90, 172, 179, 192, 199, 223, 241, 259, 263, 285
152 <223> OTHER INFORMATION: a, t, c, g, or other
154 <400> SEQUENCE: 5
W--> 155 ctttacgntg tatagcctgc ggggtcaact tgaactcaag ccgccagagc aggatcgtgg 60
W--> 156 gcgngagag cgngctcccg ggggcctggn cctggcaggt cagcctgcac gtccagaacg 120
W--> 157 tccacgtgtg cggaggctcc atcatcacc ccgagtggat cgtgacagcc gnccactgng 180
W--> 158 tggaaaaacc tnttaacant ccatggcatt ggacggcatt tngggggatt ttgagacaat 240
W--> 159 ntttcatgtt ctatggagnc ggntaccaag tagaaaaagt gtttntcatc caaa 294
161 <210> SEQ ID NO: 6
162 <211> LENGTH: 235
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
166 <300> PUBLICATION INFORMATION:
167 <308> DATABASE ACCESSION NO: Genbank ID No: g416132

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RAW SEQUENCE LISTING

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TIME: 09:31:01

Input Set : A:\pf0227_2cip_seqlist.txt

Output Set: N:\CRF3\03132002\I988975A.raw

W--> 169 <300> PUBLICATION INFORMATION: 6

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170 Ile Val Gly Gly Ser Asp Ser Arg Glu Gly Ala Trp Pro Trp Val
171   1           5           10           15
172 Val Ala Leu Tyr Phe Asp Asp Gln Gln Val Cys Gly Ala Ser Leu
173           20           25           30
174 Val Ser Arg Asp Trp Leu Val Ser Ala Ala His Cys Val Tyr Gly
175           35           40           45
176 Arg Asn Met Glu Pro Ser Lys Trp Lys Ala Val Leu Gly Leu His
177           50           55           60
178 Met Ala Ser Asn Leu Thr Ser Pro Gln Ile Glu Thr Arg Leu Ile
179           65           70           75
180 Asp Gln Ile Val Ile Asn Pro His Tyr Asn Lys Arg Arg Lys Asn
181           80           85           90
182 Asn Asp Ile Ala Met Met His Leu Glu Met Lys Val Asn Tyr Thr
183           95          100          105
184 Asp Tyr Ile Gln Pro Ile Cys Leu Pro Glu Glu Asn Gln Val Phe
185          110          115          120
186 Pro Pro Gly Arg Ile Cys Ser Ile Ala Gly Trp Gly Ala Leu Ile
187          125          130          135
188 Tyr Gln Gly Ser Thr Ala Asp Val Leu Gln Glu Ala Asp Val Pro
189          140          145          150
190 Leu Leu Ser Asn Glu Lys Cys Gln Gln Gln Met Pro Glu Tyr Asn
191          155          160          165
192 Ile Thr Glu Asn Met Val Cys Ala Gly Tyr Glu Ala Gly Gly Val
193          170          175          180
194 Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Met Cys Gln Glu
195          185          190          195
196 Asn Asn Arg Trp Leu Leu Ala Gly Val Thr Ser Phe Gly Tyr Gln
197          200          205          210
198 Cys Ala Leu Pro Asn Arg Pro Gly Val Tyr Ala Arg Val Pro Arg
199          215          220          225
200 Phe Thr Glu Trp Ile Gln Ser Phe Leu His
201          230          235

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203 <210> SEQ ID NO: 7

204 <211> LENGTH: 262

205 <212> TYPE: PRT

206 <213> ORGANISM: Homo sapiens

208 <300> PUBLICATION INFORMATION:

209 <308> DATABASE ACCESSION NO: Genbank ID No: g186653

W--> 211 <300> PUBLICATION INFORMATION: 7

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212 Met Trp Phe Leu Val Leu Cys Leu Ala Leu Ser Leu Gly Gly Thr
213   1           5           10           15
214 Gly Ala Ala Pro Pro Ile Gln Ser Arg Ile Val Gly Gly Trp Glu
215           20           25           30
216 Cys Glu Gln His Ser Gln Pro Trp Gln Ala Ala Leu Tyr His Phe
217           35           40           45
218 Ser Thr Phe Gln Cys Gly Gly Ile Leu Val His Arg Gln Trp Val
219           50           55           60
220 Leu Thr Ala Ala His Cys Ile Ser Asp Asn Tyr Gln Leu Trp Leu

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RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/09/988,975A

TIME: 09:31:01

Input Set : A:\pf0227_2cip_seqlist.txt

Output Set: N:\CRF3\03132002\I988975A.raw

```

221          65          70          75
222 Gly Arg His Asn Leu Phe Asp Asp Glu Asn Thr Ala Gln Phe Val
223          80          85          90
224 His Val Ser Glu Ser Phe Pro His Pro Gly Phe Asn Met Ser Leu
225          95         100         105
226 Leu Glu Asn His Thr Arg Gln Ala Asp Glu Asp Tyr Ser His Asp
227         110         115         120
228 Leu Met Leu Leu Arg Leu Thr Glu Pro Ala Asp Thr Ile Thr Asp
229         125         130         135
230 Ala Val Lys Val Val Glu Leu Pro Thr Gln Glu Pro Glu Val Gly
231         140         145         150
232 Ser Thr Cys Leu Ala Ser Gly Trp Gly Ser Ile Glu Pro Glu Asn
233         155         160         165
234 Phe Ser Phe Pro Asp Asp Leu Gln Cys Val Asp Leu Lys Ile Leu
235         170         175         180
236 Pro Asn Asp Glu Cys Glu Lys Ala His Val Gln Lys Val Thr Asp
237         185         190         195
238 Phe Met Leu Cys Val Gly His Leu Glu Gly Gly Lys Asp Thr Cys
239         200         205         210
240 Val Gly Asp Ser Gly Gly Pro Leu Met Cys Asp Gly Val Leu Gln
241         215         220         225
242 Gly Val Thr Ser Trp Gly Tyr Val Pro Cys Gly Thr Pro Asn Lys
243         230         235         240
244 Pro Ser Val Ala Val Arg Val Leu Ser Tyr Val Lys Trp Ile Glu
245         245         250         255
246 Asp Thr Ile Ala Glu Asn Ser
247         260
249 <210> SEQ ID NO: 8
250 <211> LENGTH: 263
251 <212> TYPE: PRT
252 <213> ORGANISM: Homo sapiens
254 <300> PUBLICATION INFORMATION:
255 <308> DATABASE ACCESSION NO: Genbank ID No: g55527
W--> 257 <300> PUBLICATION INFORMATION: 8
258 Met Trp Phe Leu Ile Leu Phe Leu Ala Leu Phe Leu Gly Gly Ile
259 1          5          10          15
260 Asp Ala Ala Pro Pro Val Gln Ser Arg Ile Ile Gly Gly Phe Asn
261         20          25          30
262 Cys Glu Lys Asn Ser Gln Pro Trp His Val Ala Val Tyr Arg Phe
263         35          40          45
264 Ala Arg Tyr Gln Cys Gly Gly Val Leu Leu Asp Ala Asn Trp Val
265         50          55          60
266 Leu Thr Ala Ala His Cys Tyr Asn Asp Lys Tyr Gln Val Trp Leu
267         65          70          75
268 Gly Lys Asn Asn Arg Phe Glu Asp Glu Pro Ser Ala Gln His Gln
269         80          85          90
270 Leu Ile Ser Lys Ala Ile Pro His Pro Gly Phe Asn Met Ser Leu
271         95         100        105
272 Leu Asn Lys Asp His Thr Pro His Pro Glu Asp Asp Tyr Ser Asn

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/13/2002
PATENT APPLICATION: US/09/988,975A TIME: 09:31:02

Input Set : A:\pf0227_2cip_seqlist.txt
Output Set: N:\CRF3\03132002\I988975A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 235
Seq#:2; N Pos. 9,10,804
Seq#:3; N Pos. 136
Seq#:5; N Pos. 8,65,73,90,172,179,192,199,223,241,259,263,285

VERIFICATION SUMMARY

DATE: 03/13/2002

PATENT APPLICATION: US/09/988,975A

TIME: 09:31:02

Input Set : A:\pf0227_2cip_seqlist.txt

Output Set: N:\CRF3\03132002\I988975A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:225
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:780
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:120
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:180
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:240
L:169 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:6
L:211 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:7
L:257 M:256 W: Invalid Numeric Header Field, Identifier <309> Expected, SEQ:8